

Product datasheet

Anti-ATG9A antibody ab105402

3 图像

概述

产品名称	Anti-ATG9A抗体
描述	兔多克隆抗体to ATG9A
宿主	Rabbit
经测试应用	适用于: IHC-P, ICC/IF, WB
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to 18 amino acids near the C terminal of Human ATG9A (NP_076990).
阳性对照	Mouse heart tissue lysate.
常规说明	Stable for one year.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.02% Sodium azide Constituent: 99% PBS
纯度	Immunogen affinity purified
纯化说明	ab105402 is purified by affinity chromatography via a peptide column.
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab105402** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
IHC-P		Use at an assay dependent concentration.

应用	Ab评论	说明
ICC/IF		Use a concentration of 20 µg/ml.
WB		Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 94 kDa.

## 靶标

### 功能

Involved in autophagy and cytoplasm to vacuole transport (Cvt) vesicle formation. Plays a key role in the organization of the preautophagosomal structure/phagophore assembly site (PAS), the nucleating site for formation of the sequestering vesicle. Cycles between a juxta-nuclear trans-Golgi network compartment and late endosomes. Nutrient starvation induces accumulation on autophagosomes. Starvation-dependent trafficking requires ULK1, ATG13 and SUPT20H.

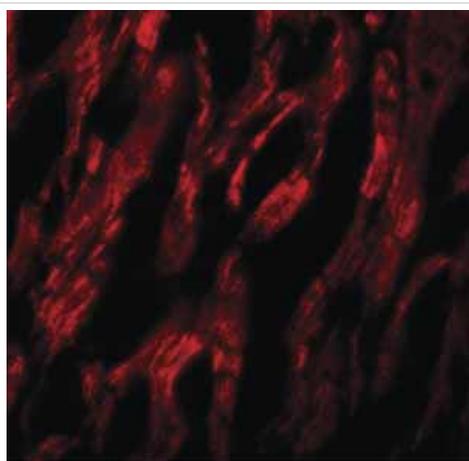
### 序列相似性

Belongs to the ATG9 family.

### 细胞定位

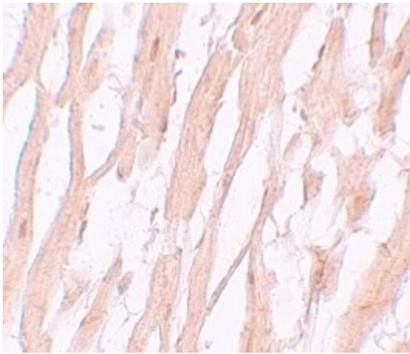
Cytoplasmic vesicle, autophagosome membrane. Golgi apparatus, trans-Golgi network membrane. Late endosome membrane. Endoplasmic reticulum membrane. Under amino acid starvation or rapamycin treatment, redistributes from a juxtannuclear clustered pool to a dispersed peripheral cytosolic pool. The starvation-induced redistribution depends on ULK1, ATG13, as well as SH3GLB1.

## 图片



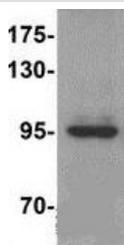
Immunofluorescence of ATG9A in Human heart tissue with ab105402 at 20 ug/mL.

Immunocytochemistry/ Immunofluorescence - Anti-ATG9A antibody (ab105402)



Immunohistochemistry of ATG9A in Human heart tissue with ab105402 at 5 µg/mL.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATG9A antibody (ab105402)



Anti-ATG9A antibody (ab105402) at 1 µg/ml +  
Mouse heart tissue lysate at 15 µg

**Predicted band size:** 94 kDa

Western blot - Anti-ATG9A antibody (ab105402)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- We investigate all quality concerns to ensure our products perform to the highest standards

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